Claims

1. An aqueous water- and oil-repellent dispersion comprising:

(A) a homopolymer or copolymer comprising at least one polymerizable compound having a perfluoroalkyl or perfluoroalkenyl group and an acrylate or methacrylate group, or

a copolymer comprising said polymerizable compound and another compound copolymerizable therewith, and

(B) a surfactant which comprises a cationic surfactant and a nonionic surfactant of the formula (I):

$$R^1O[CH_2CH(CH_3)O]_a-(CH_2CH_2O)_bH \qquad (I)$$

wherein R^1 is a branched alkyl or alkenyl group wherein a main chain has at least 5 carbon atoms and a side chain has at least 3 carbon atoms,

a is an integer of at least 3, and

b is an integer of 10 to 30.

2. The dispersion according to claim 1, wherein, in R^1 of the formula (I), the side chain is an alkyl group and the number of the side chains is at least 3.

3. The dispersion according to claim 1, wherein R^1 in the formula (I) has at least 10 carbon atoms.

4. The dispersion according to claim 1, wherein, in R^1 of

the formula (I), the side chain is an alkyl group having 1 to 3 carbon atoms.

5. The dispersion according to claim 1, wherein, in R^1 of the formula (I), the side chain is a methyl group.

6. The dispersion according to claim 1, wherein R^1 in the formula (I) is a C_{13} isotridecyl group having 4 side-chain methyl groups, that is, $CH_3CH(CH_3)CH_2CH(CH_3)CH_2CH(CH_3)CH_2CH(CH_3)CH_2-$.

7. The dispersion according to claim 1, wherein R^1 in the formula (I) is a C_{13} isotridecyl group having 6 side-chain methyl groups, that is, $CH_3C(CH_3)_2CH_2C(CH_3)_2CH_2C(CH_3)_2CH_2-$, or $CH_2(CH_3)CH(CH_3)CH(CH_3)CH(CH_3)CH(CH_3)CH(CH_3)CH_2-$.

8. The dispersion according to claim 1, wherein R^1 in the formula (I) is a C_{13} isotridecyl group having 3 side-chain ethyl groups, that is, $CH_3CH(C_2H_5)CH_2CH(C_2H_5)CH_2CH(C_2H_5)CH_2-$.

9. A method of processing a textile, comprising using the dispersion according to claim 1.

10. A textile, to which the dispersion according to claim 1 is applied.